

Fig 1a
Prior Art

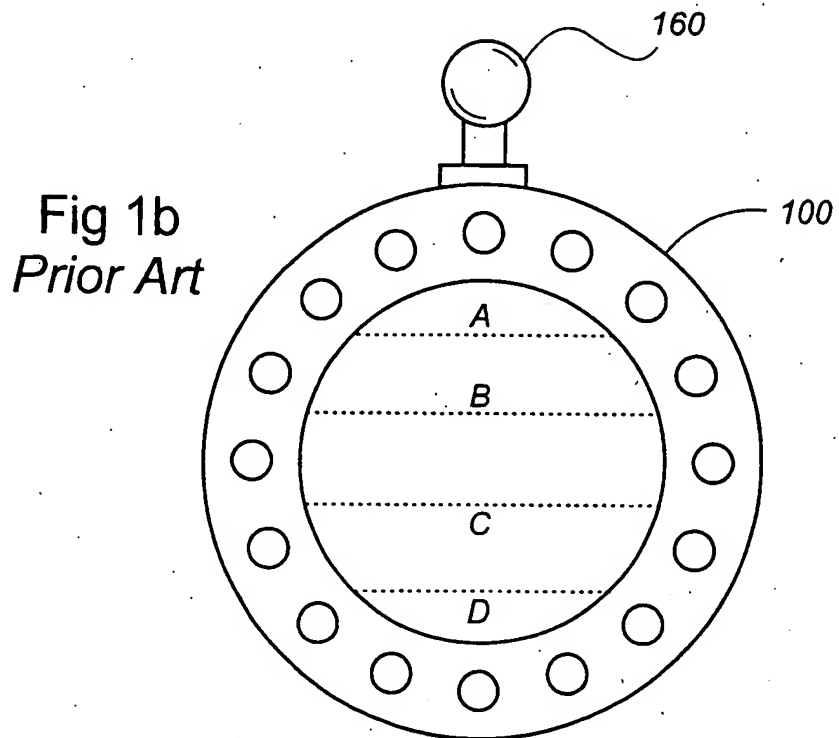


Fig 1b
Prior Art

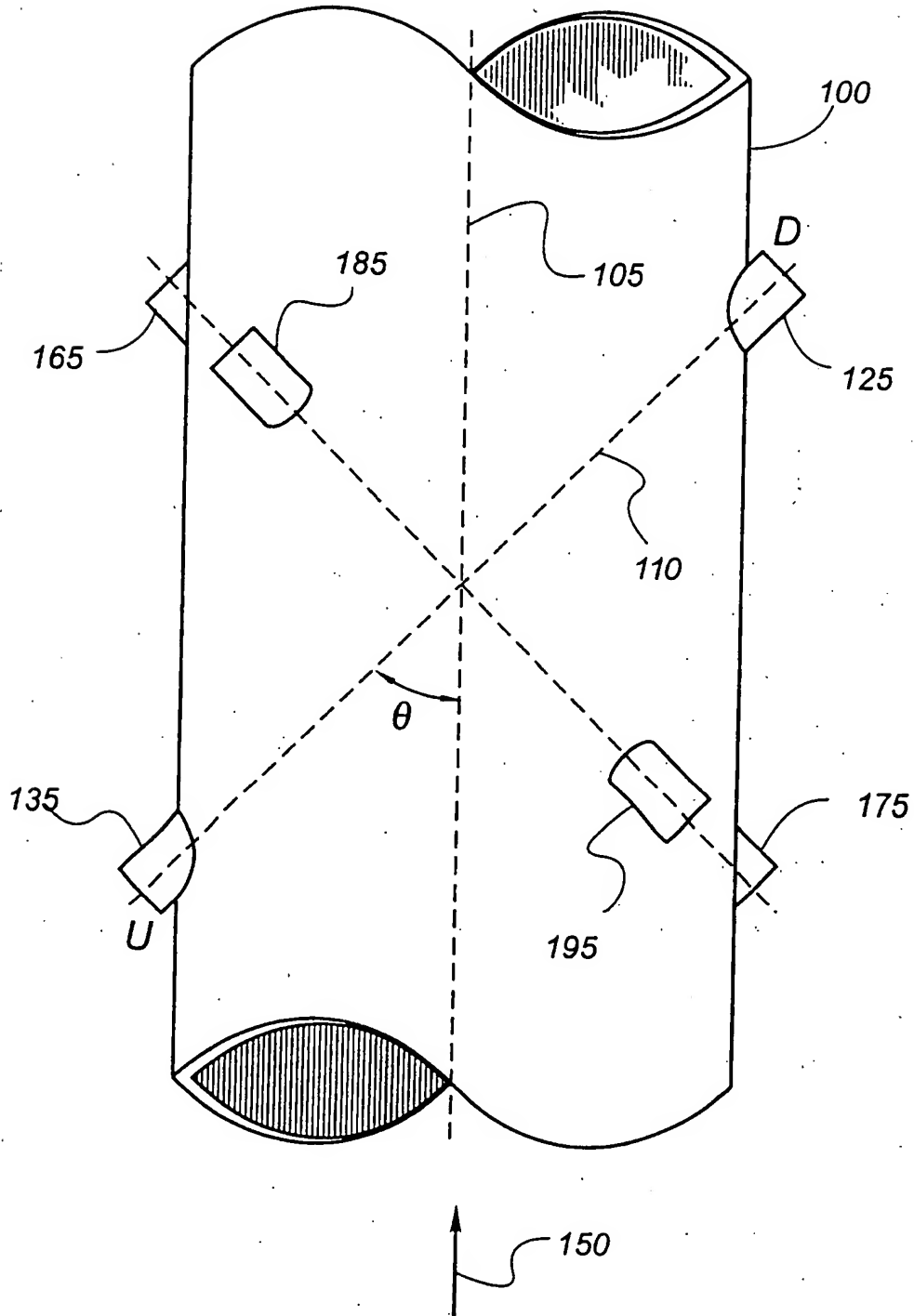
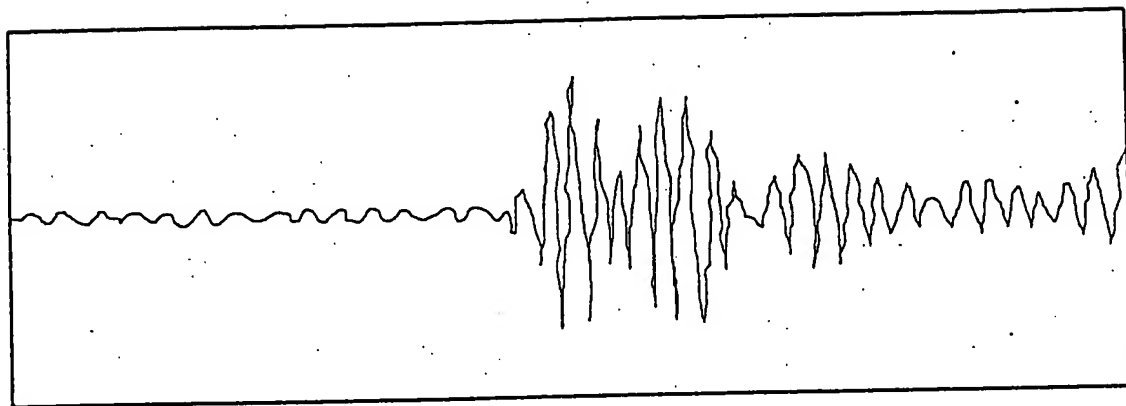


Fig 1c
Prior Art

AMPLITUDE



TIME

Fig 2
✓

20070704 1000000

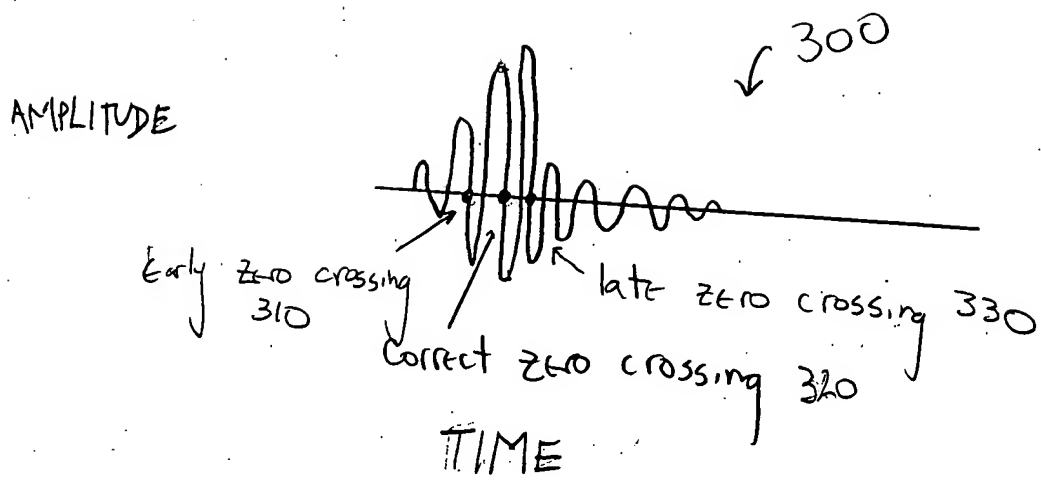


Fig. 3

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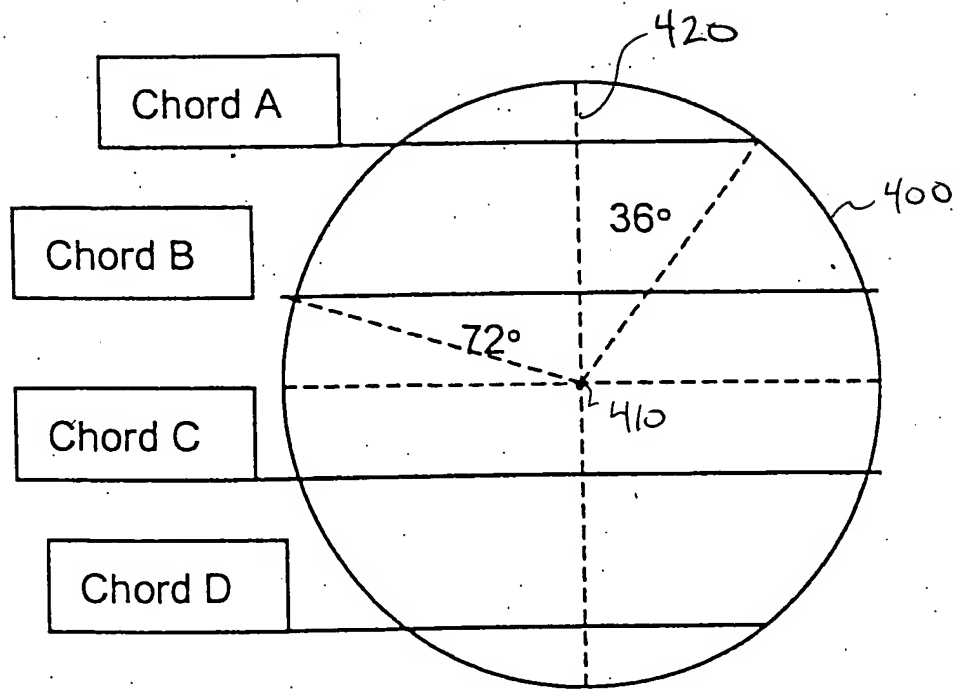


Fig. 4

Process waveform ~ 500

Measure transit time for ultrasonic signals along a first path in meter ~ 510

Measure transit time for ultrasonic signals along a second path in meter ~ 520

Determine whether there exists an ultrasonic arrival timing error based on the length of the first path, the length of the second path, the transit time for the first path, and the transit time for the second path or on a speed of sound for a medium in said meter ~ 530

Correct for measurement error ~ 540

Fig. 5